

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021722\
 Data File : VX027076.D
 Acq On : 17 Feb 2022 14:36
 Operator : JC/MD
 Sample : N1583-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 220216018-02-VOA

Quant Time: Feb 18 03:50:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

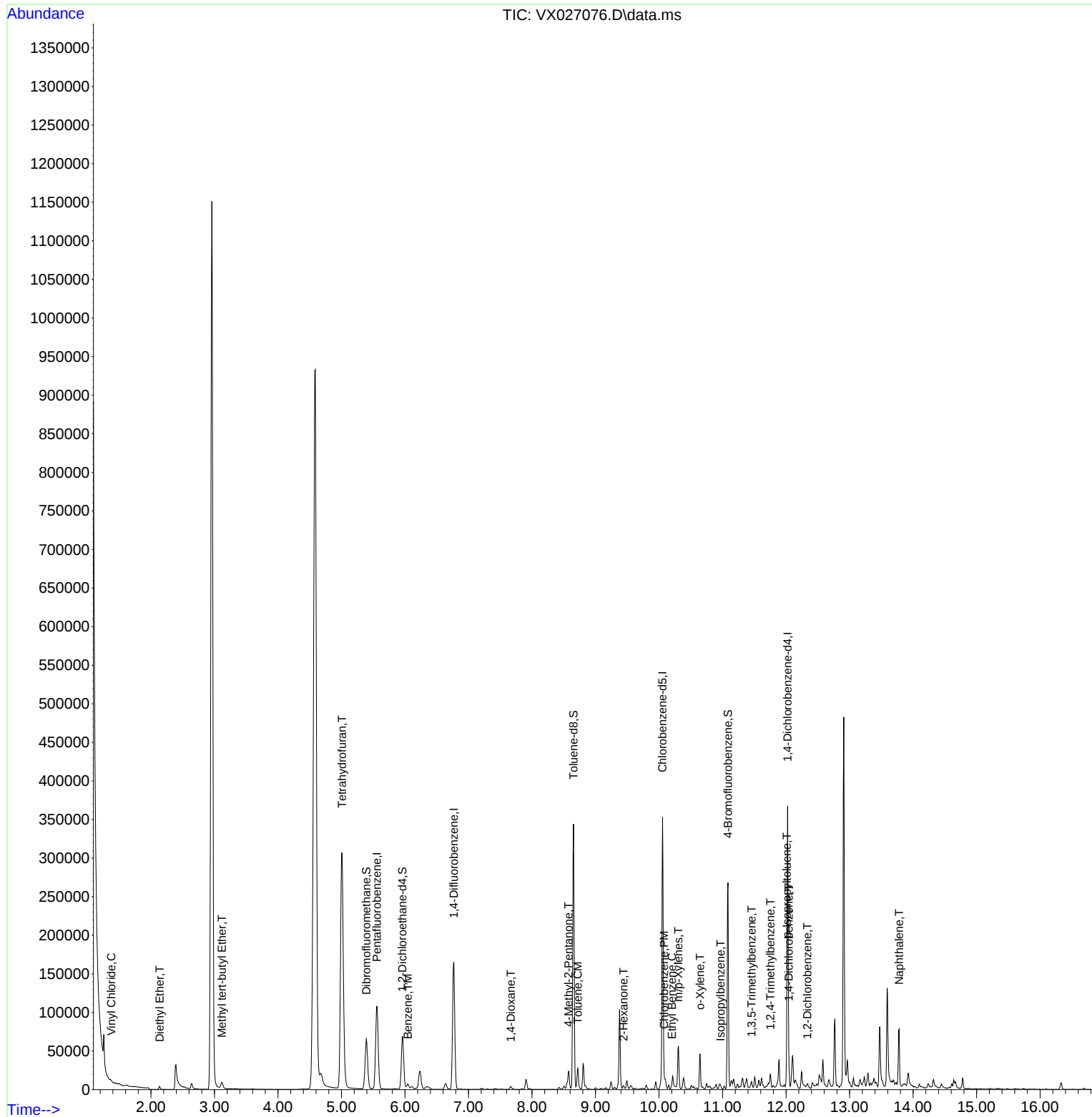
Internal Standards						
1) Pentafluorobenzene	5.556	168	104416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	173727	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	153182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	71601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66072	52.714	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.420%			
35) Dibromofluoromethane	5.391	113	55647	53.764	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.520%			
50) Toluene-d8	8.653	98	199672	52.555	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.100%			
62) 4-Bromofluorobenzene	11.085	95	74409	55.628	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.260%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.374	62	308	0.279	ug/l	91
8) Diethyl Ether	2.136	74	1302	2.160	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	8267	2.186	ug/l	92
29) Tetrahydrofuran	5.007	42	298072	494.329	ug/l	98
40) Benzene	6.043	78	7739	1.626	ug/l #	86
49) 1,4-Dioxane	7.665	88	2746	112.643	ug/l	94
51) 4-Methyl-2-Pentanone	8.573	43	16787	9.703	ug/l	91
52) Toluene	8.720	92	7736	2.568	ug/l	97
59) 2-Hexanone	9.439	43	2435	1.924	ug/l	97
65) Chlorobenzene	10.079	112	1807	0.570	ug/l	99
67) Ethyl Benzene	10.201	91	2292	0.409	ug/l	95
68) m/p-Xylenes	10.305	106	12118	5.617	ug/l	100
69) o-Xylene	10.646	106	9878	4.673	ug/l	99
73) Isopropylbenzene	10.969	105	1464	0.260	ug/l	100
80) 1,3,5-Trimethylbenzene	11.457	105	3483	0.750	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	7058	1.507	ug/l	91
86) p-Isopropyltoluene	12.012	119	1996	0.420	ug/l #	74
88) 1,4-Dichlorobenzene	12.042	146	9033	3.646	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	1127	0.475	ug/l	93
95) Naphthalene	13.780	128	39307	7.502	ug/l	100

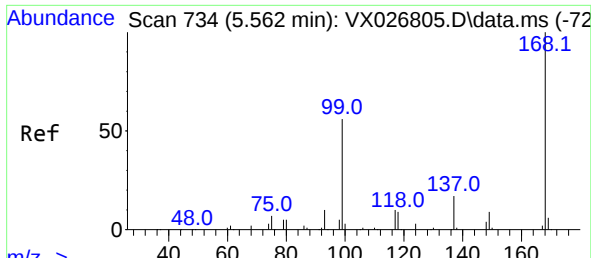
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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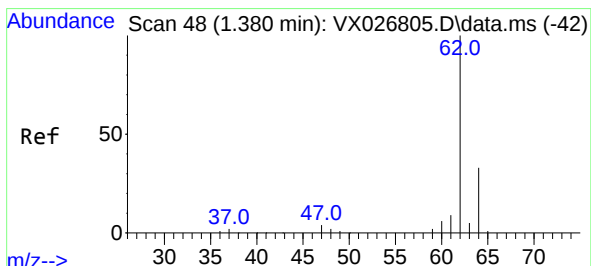
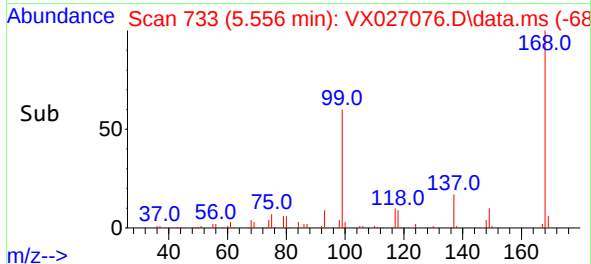
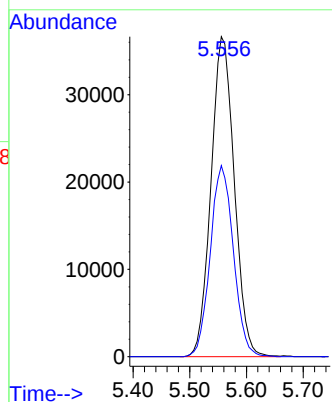
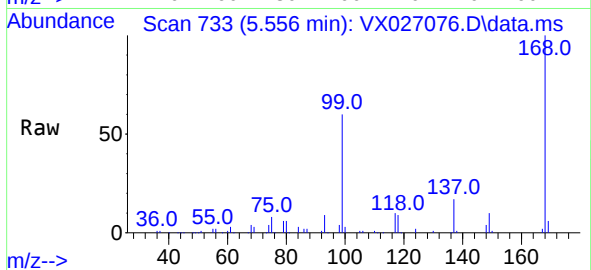




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX027076.D
Acq: 17 Feb 2022 14:36

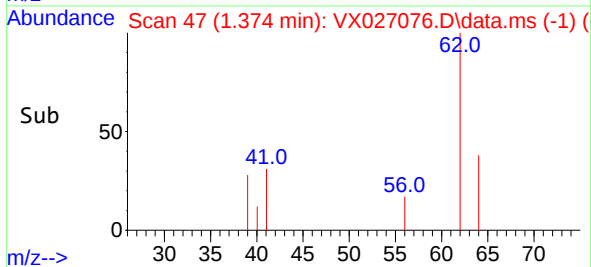
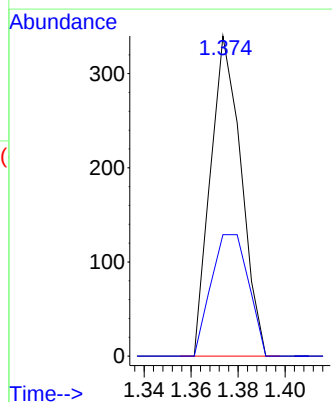
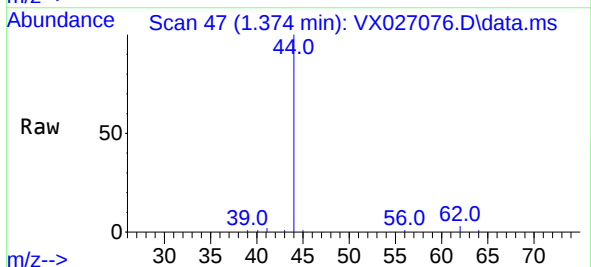
Instrument :
MSVOA_X
ClientSampleId :
220216018-02-VOA

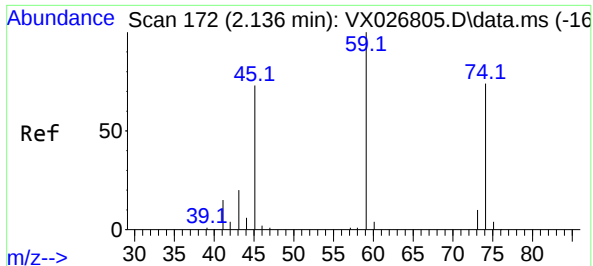
Tgt Ion:168 Resp: 104416
Ion Ratio Lower Upper
168 100
99 59.7 50.3 75.5



#4
Vinyl Chloride
Concen: 0.279 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.006 min
Lab File: VX027076.D
Acq: 17 Feb 2022 14:36

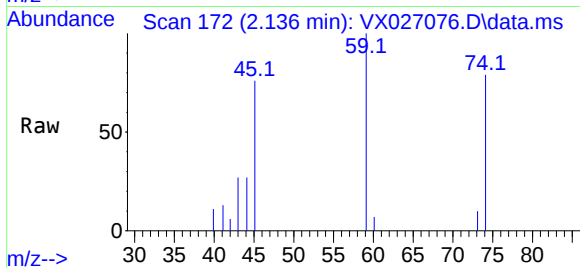
Tgt Ion: 62 Resp: 308
Ion Ratio Lower Upper
62 100
64 37.9 26.2 39.2



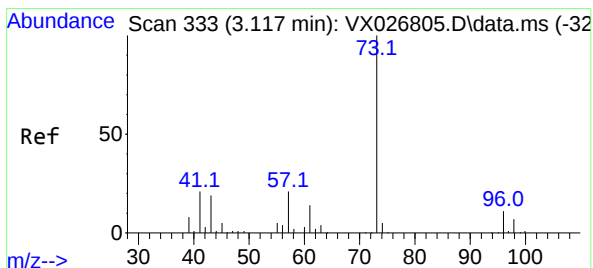
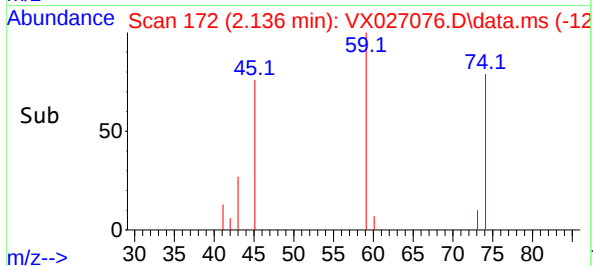
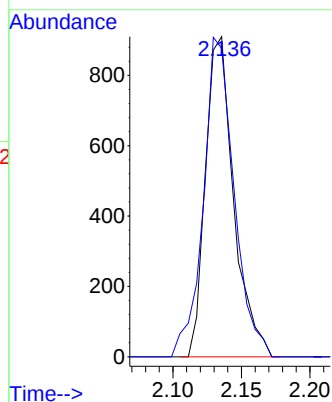


#8
Diethyl Ether
Concen: 2.160 ug/l
RT: 2.136 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027076.D
Acq: 17 Feb 2022 14:36

Instrument :
MSVOA_X
ClientSampleId :
220216018-02-VOA

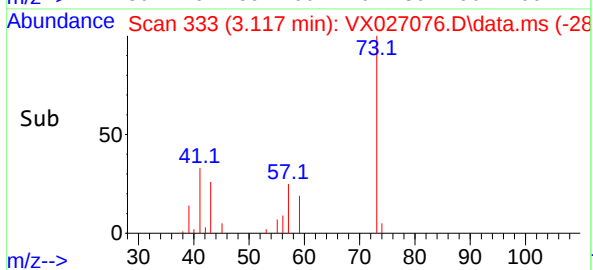
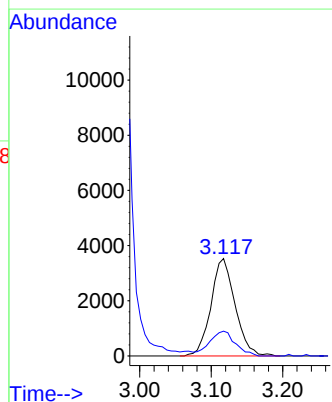
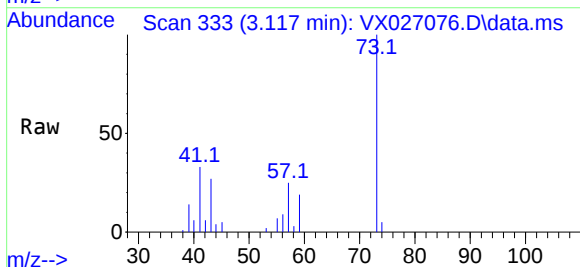


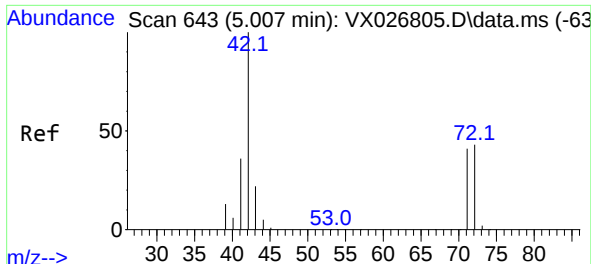
Tgt Ion: 74 Resp: 1302
Ion Ratio Lower Upper
74 100
45 108.4 50.7 152.1



#19
Methyl tert-butyl Ether
Concen: 2.186 ug/l
RT: 3.117 min Scan# 333
Delta R.T. -0.000 min
Lab File: VX027076.D
Acq: 17 Feb 2022 14:36

Tgt Ion: 73 Resp: 8267
Ion Ratio Lower Upper
73 100
57 25.4 17.4 26.2





#29

Tetrahydrofuran

Concen: 494.329 ug/l

RT: 5.007 min Scan# 64

Delta R.T. -0.000 min

Lab File: VX027076.D

Acq: 17 Feb 2022 14:36

Instrument :

MSVOA_X

ClientSampleId :

220216018-02-VOA

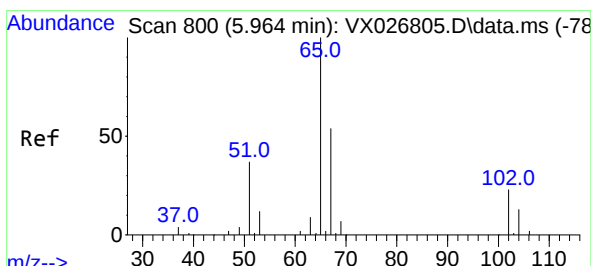
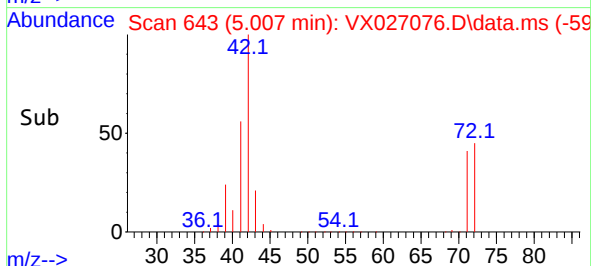
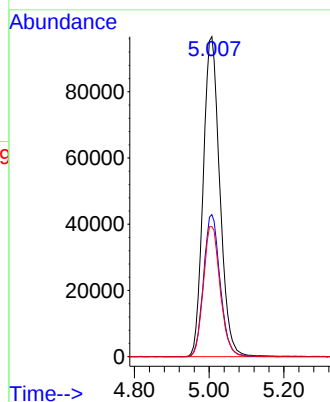
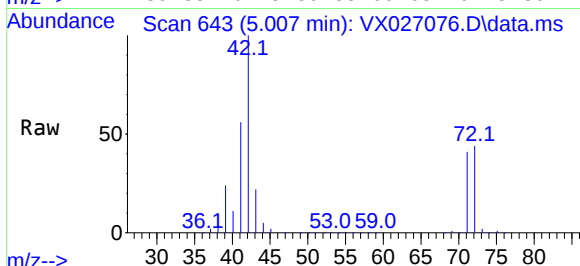
Tgt Ion: 42 Resp: 298072

Ion Ratio Lower Upper

42 100

72 44.3 34.6 52.0

71 41.2 31.8 47.8



#33

1,2-Dichloroethane-d4

Concen: 52.714 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX027076.D

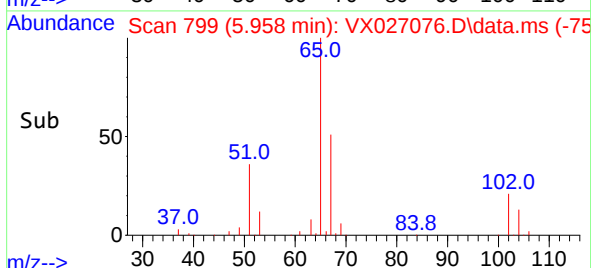
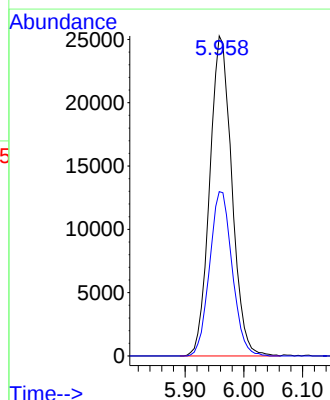
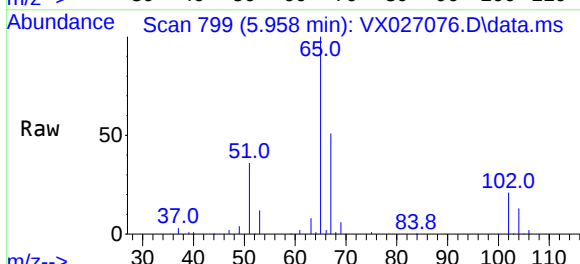
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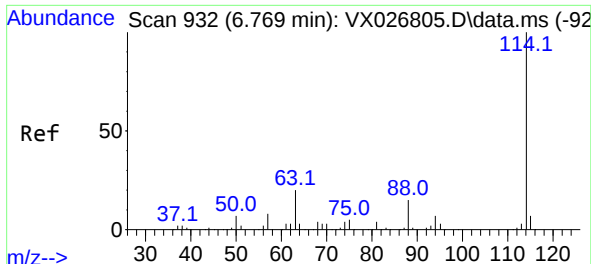
Tgt Ion: 65 Resp: 66072

Ion Ratio Lower Upper

65 100

67 52.4 0.0 100.8

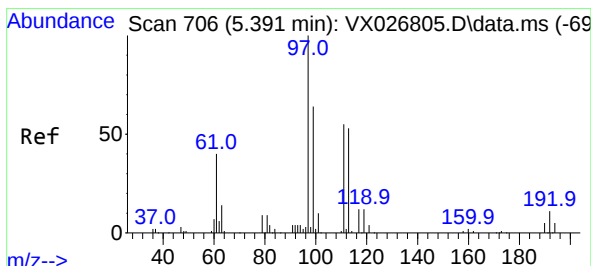
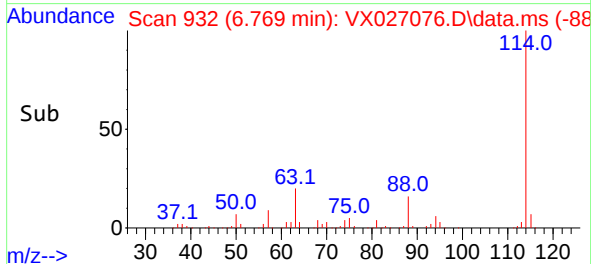
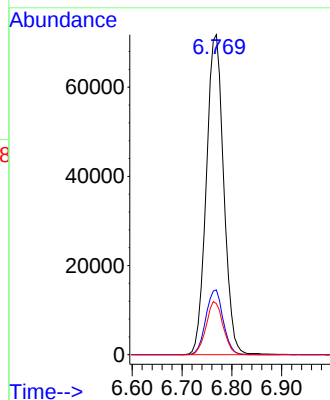
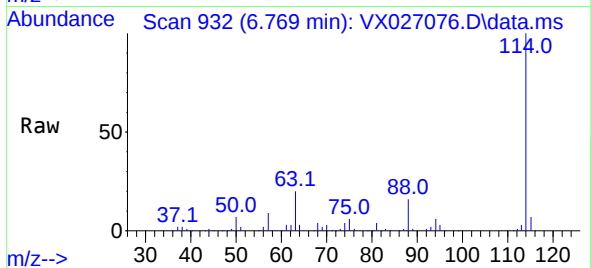




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX027076.D
Acq: 17 Feb 2022 14:36

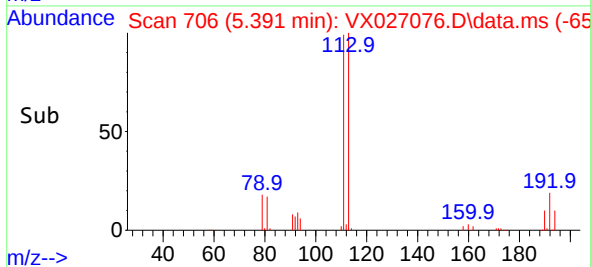
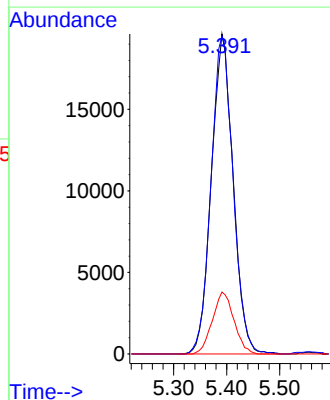
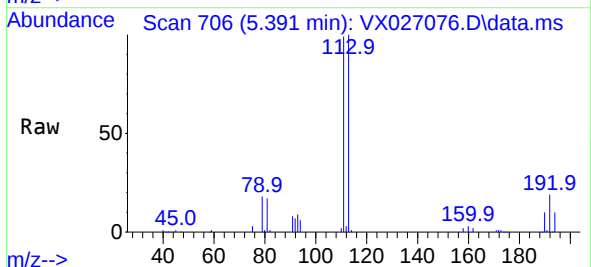
Instrument :
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ClientSampleId :
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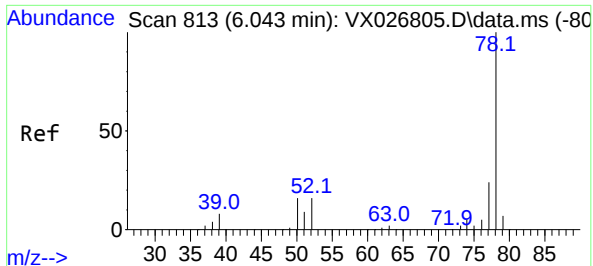
Tgt Ion:114 Resp: 173727
Ion Ratio Lower Upper
114 100
63 20.3 0.0 42.8
88 16.0 0.0 33.0



#35
Dibromofluoromethane
Concen: 53.764 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX027076.D
Acq: 17 Feb 2022 14:36

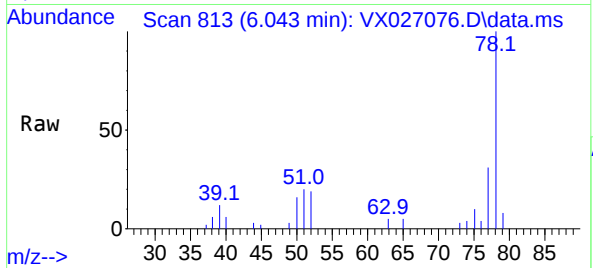
Tgt Ion:113 Resp: 55647
Ion Ratio Lower Upper
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111 101.2 81.2 121.8
192 19.3 15.0 22.4



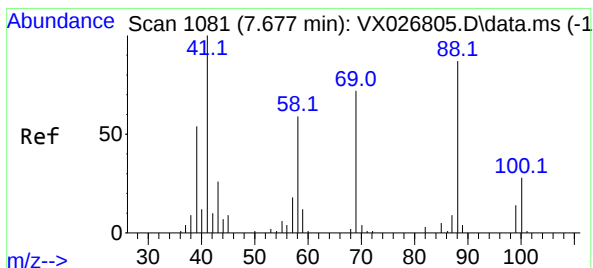
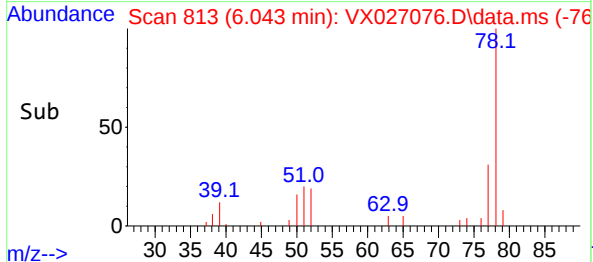
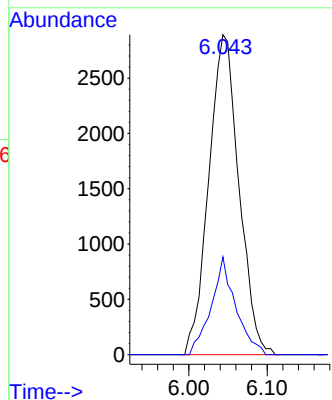


#40
Benzene
Concen: 1.626 ug/l
RT: 6.043 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX027076.D
Acq: 17 Feb 2022 14:36

Instrument :
MSVOA_X
ClientSampleId :
220216018-02-VOA

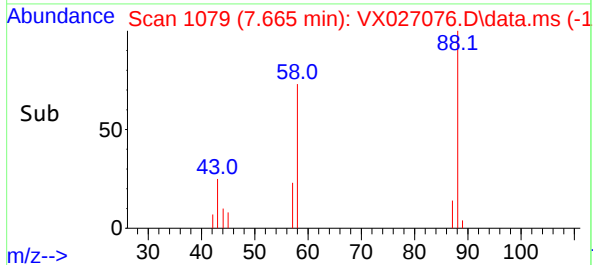
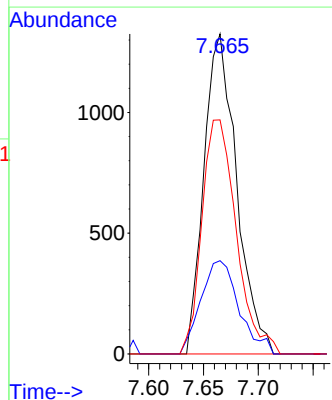
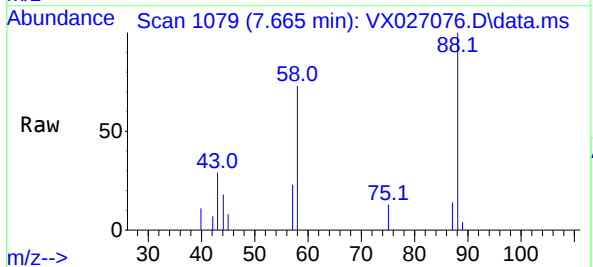


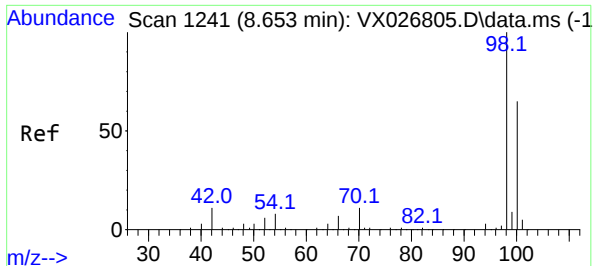
Tgt Ion: 78 Resp: 7739
Ion Ratio Lower Upper
78 100
77 30.6 18.9 28.3#



#49
1,4-Dioxane
Concen: 112.643 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. -0.012 min
Lab File: VX027076.D
Acq: 17 Feb 2022 14:36

Tgt Ion: 88 Resp: 2746
Ion Ratio Lower Upper
88 100
43 34.0 29.9 44.9
58 77.1 57.8 86.6

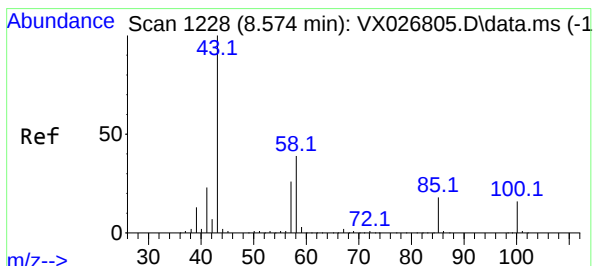
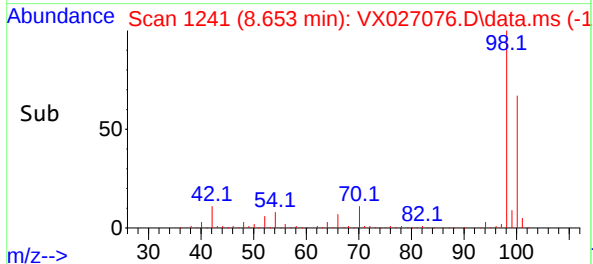
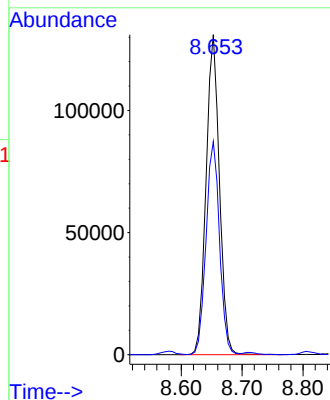
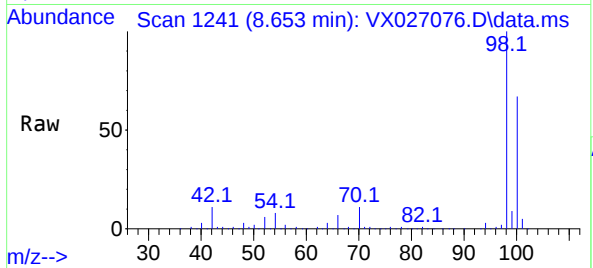




#50
Toluene-d8
Concen: 52.555 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX027076.D
Acq: 17 Feb 2022 14:36

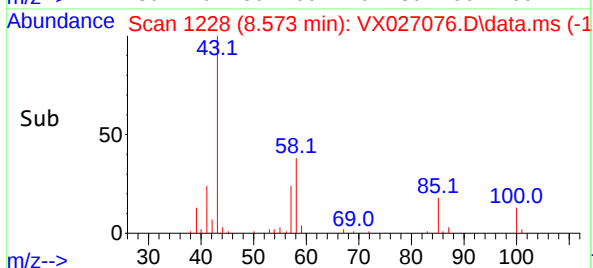
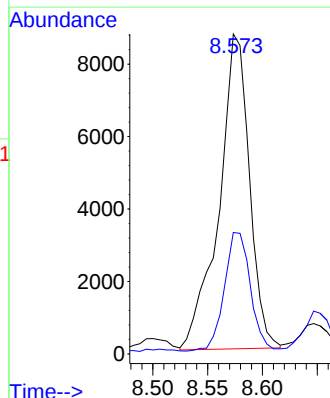
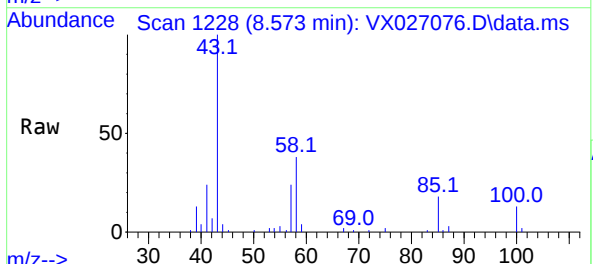
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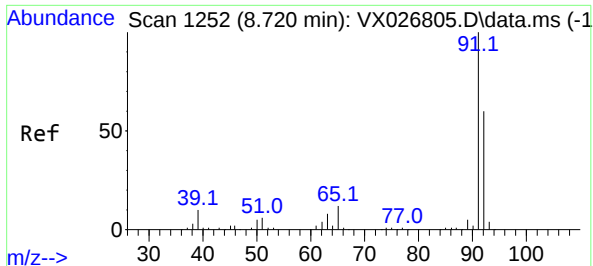
Tgt Ion: 98 Resp: 199672
Ion Ratio Lower Upper
98 100
100 67.0 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 9.703 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX027076.D
Acq: 17 Feb 2022 14:36

Tgt Ion: 43 Resp: 16787
Ion Ratio Lower Upper
43 100
58 32.8 30.5 45.7

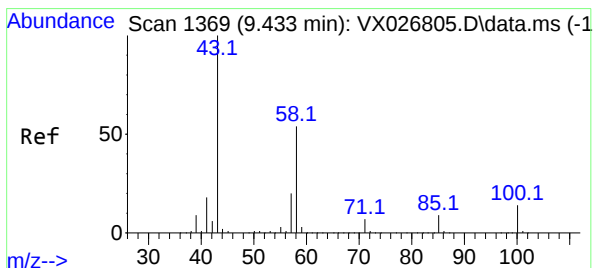
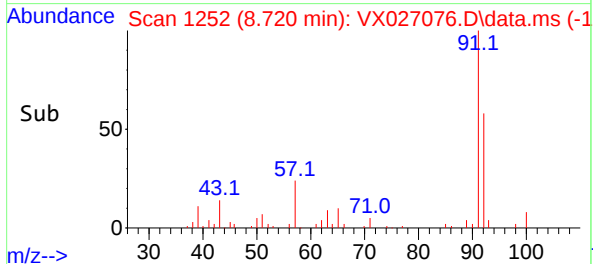
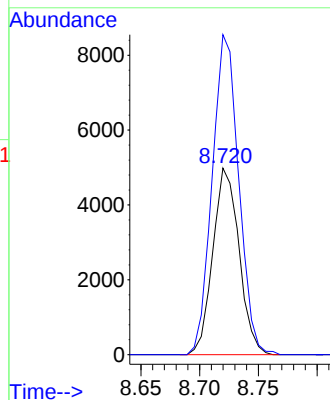
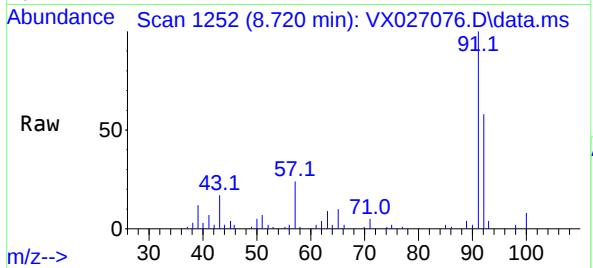




#52
Toluene
Concen: 2.568 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027076.D
Acq: 17 Feb 2022 14:36

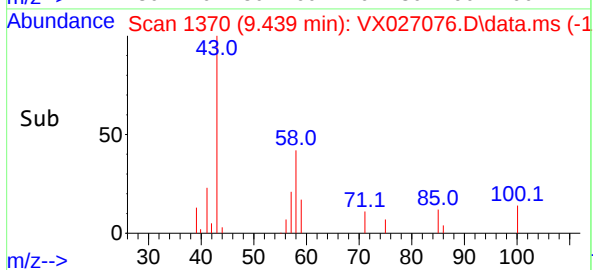
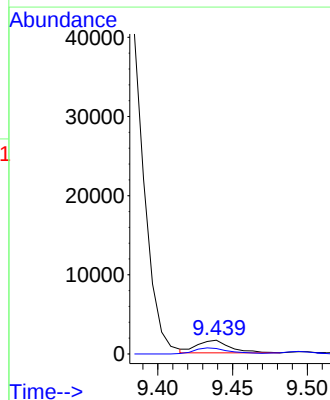
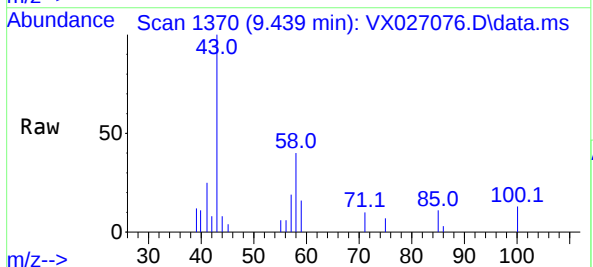
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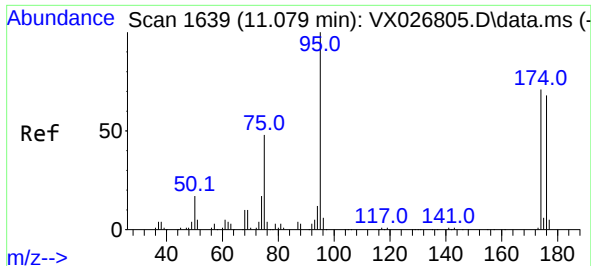
Tgt Ion: 92 Resp: 7736
Ion Ratio Lower Upper
92 100
91 173.6 135.7 203.5



#59
2-Hexanone
Concen: 1.924 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX027076.D
Acq: 17 Feb 2022 14:36

Tgt Ion: 43 Resp: 2435
Ion Ratio Lower Upper
43 100
58 51.0 26.4 79.2

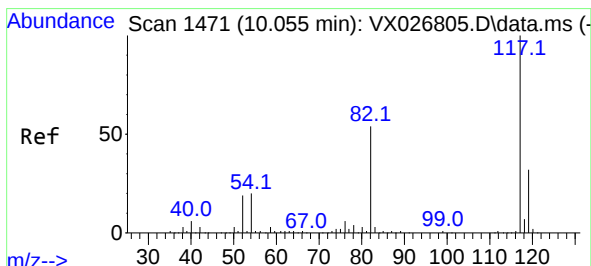
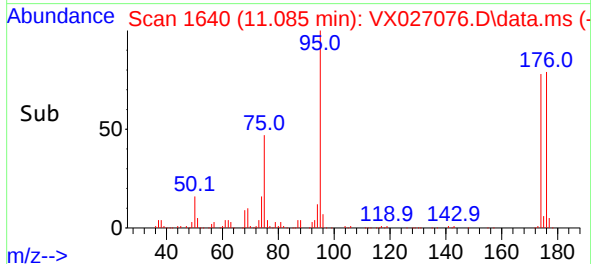
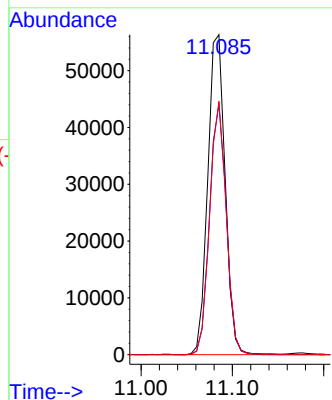
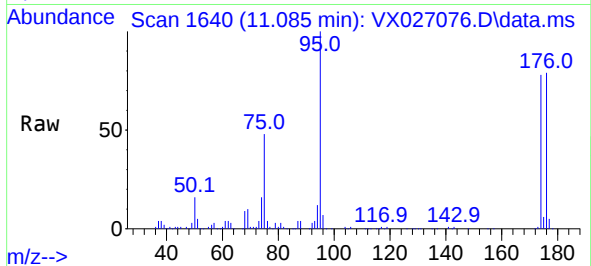




#62
4-Bromofluorobenzene
Concen: 55.628 ug/l
RT: 11.085 min Scan# 1639
Delta R.T. 0.006 min
Lab File: VX027076.D
Acq: 17 Feb 2022 14:36

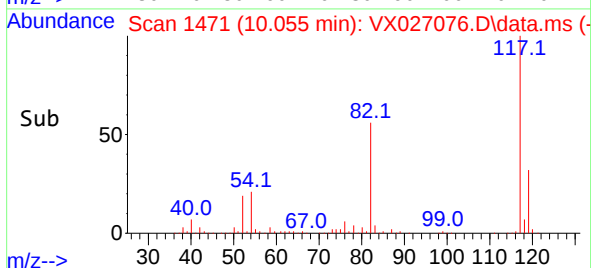
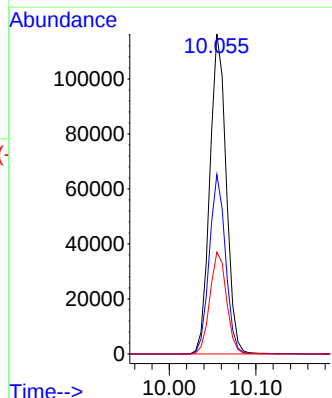
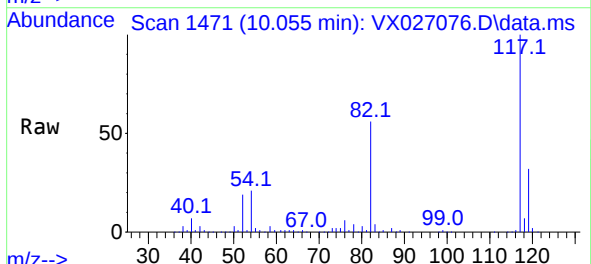
Instrument :
MSVOA_X
ClientSampleId :
220216018-02-VOA

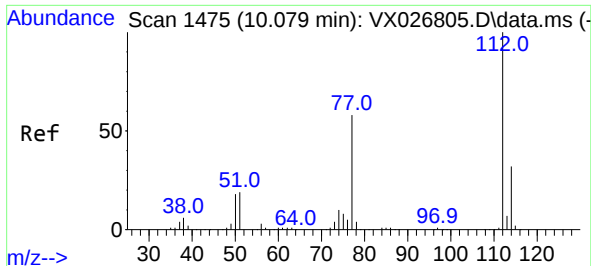
Tgt Ion: 95 Resp: 74409
Ion Ratio Lower Upper
95 100
174 75.3 0.0 148.6
176 74.9 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX027076.D
Acq: 17 Feb 2022 14:36

Tgt Ion: 117 Resp: 153182
Ion Ratio Lower Upper
117 100
82 56.1 45.2 67.8
119 31.8 26.2 39.2

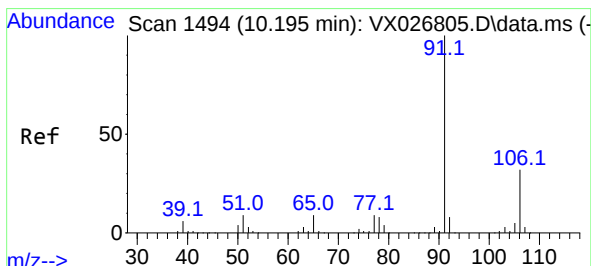
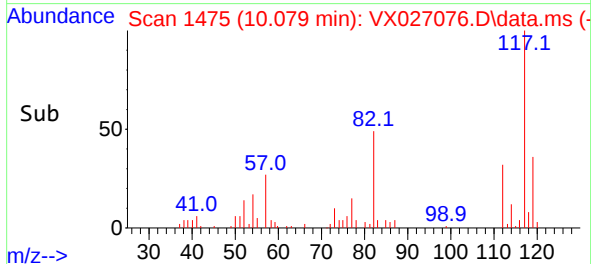
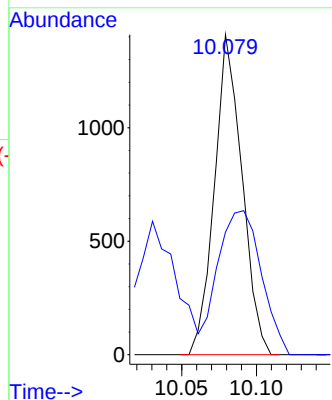
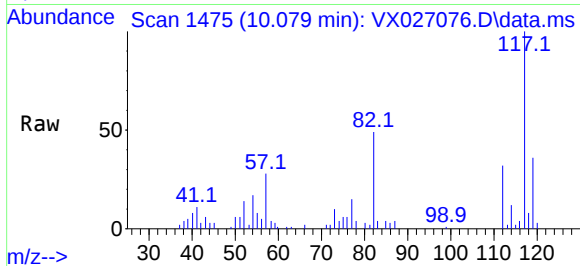




#65
Chlorobenzene
Concen: 0.570 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX027076.D
Acq: 17 Feb 2022 14:36

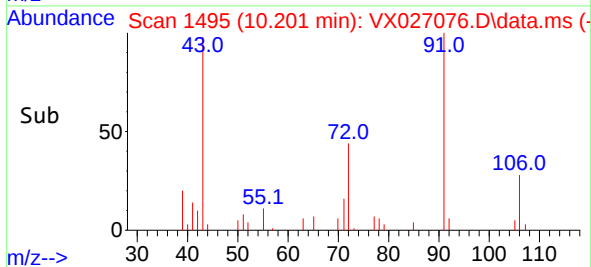
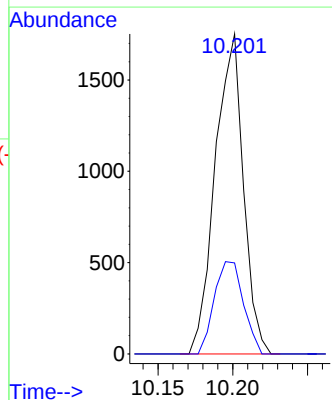
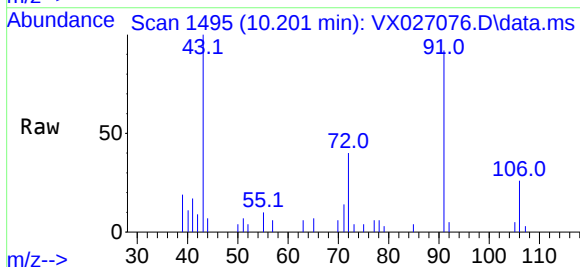
Instrument :
MSVOA_X
ClientSampleId :
220216018-02-VOA

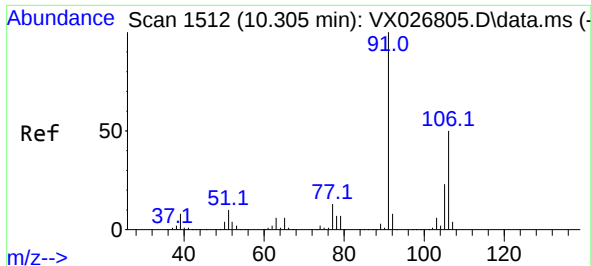
Tgt Ion:112 Resp: 1807
Ion Ratio Lower Upper
112 100
114 32.3 25.3 37.9



#67
Ethyl Benzene
Concen: 0.409 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX027076.D
Acq: 17 Feb 2022 14:36

Tgt Ion: 91 Resp: 2292
Ion Ratio Lower Upper
91 100
106 28.4 24.7 37.1

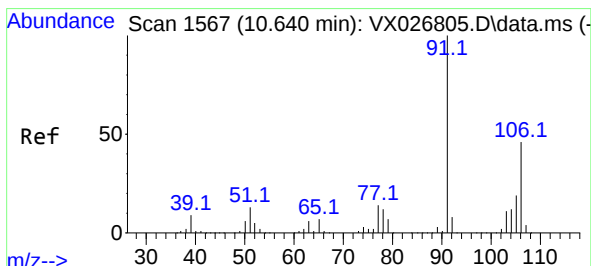
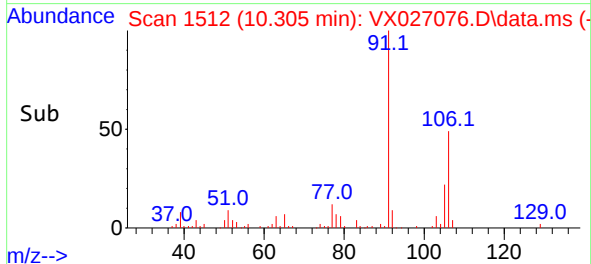
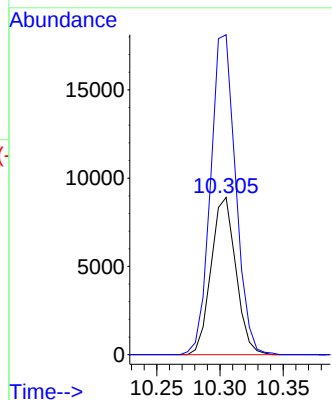
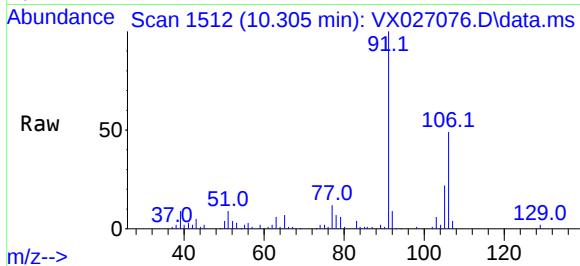




#68
m/p-Xylenes
Concen: 5.617 ug/l
RT: 10.305 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027076.D
Acq: 17 Feb 2022 14:36

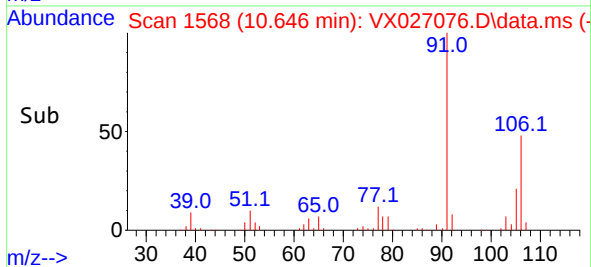
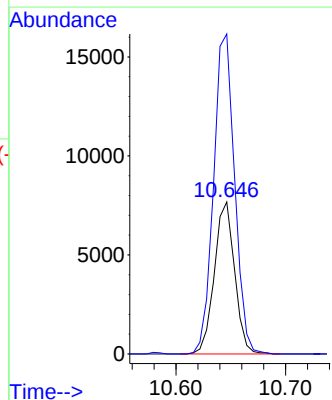
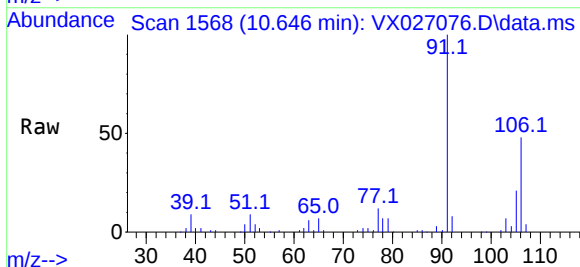
Instrument :
MSVOA_X
ClientSampleId :
220216018-02-VOA

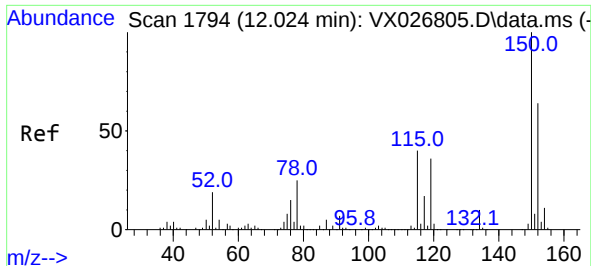
Tgt Ion:106 Resp: 12118
Ion Ratio Lower Upper
106 100
91 206.6 165.3 247.9



#69
o-Xylene
Concen: 4.673 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX027076.D
Acq: 17 Feb 2022 14:36

Tgt Ion:106 Resp: 9878
Ion Ratio Lower Upper
106 100
91 218.5 109.7 329.0

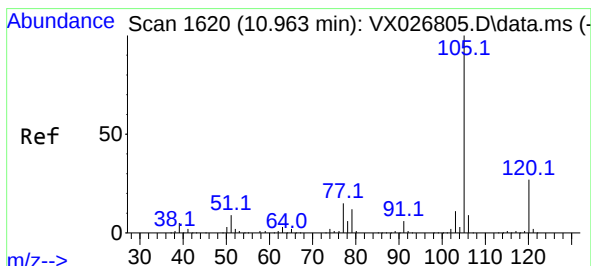
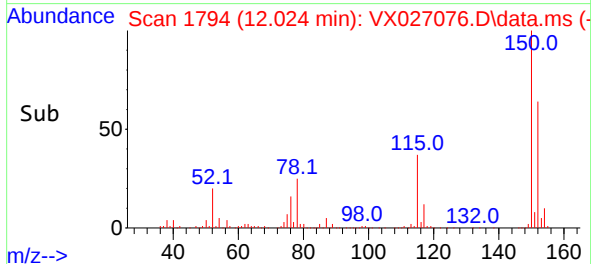
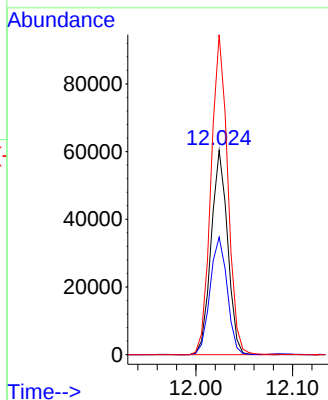
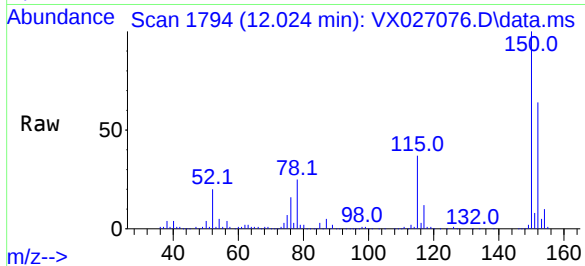




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027076.D
Acq: 17 Feb 2022 14:36

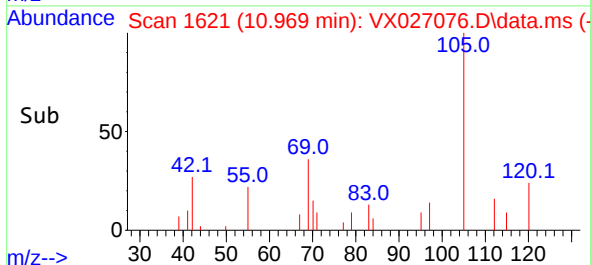
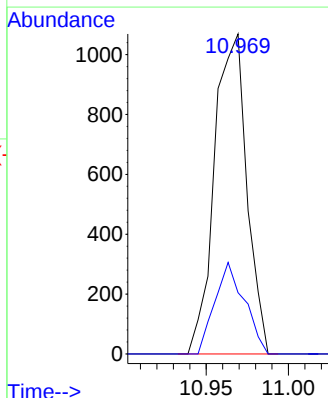
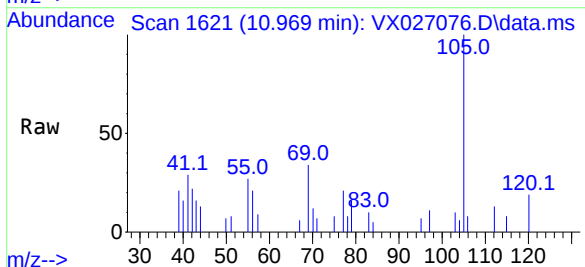
Instrument :
MSVOA_X
ClientSampleId :
220216018-02-VOA

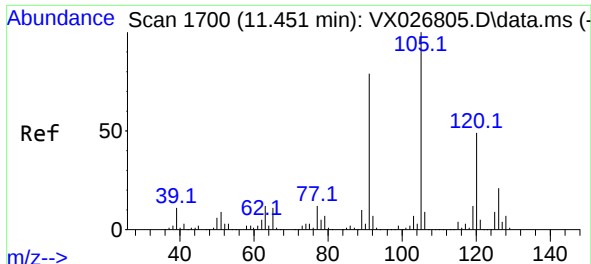
Tgt Ion:152 Resp: 71601
Ion Ratio Lower Upper
152 100
115 59.6 44.2 132.6
150 158.6 0.0 348.2



#73
Isopropylbenzene
Concen: 0.260 ug/l
RT: 10.969 min Scan# 1621
Delta R.T. 0.006 min
Lab File: VX027076.D
Acq: 17 Feb 2022 14:36

Tgt Ion:105 Resp: 1464
Ion Ratio Lower Upper
105 100
120 26.2 13.1 39.1

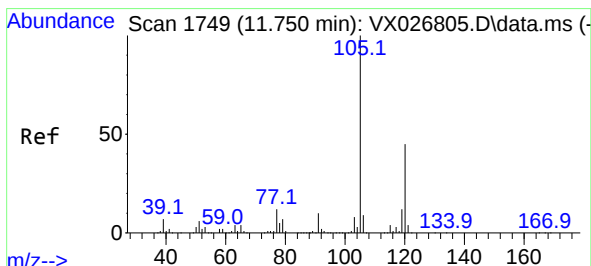
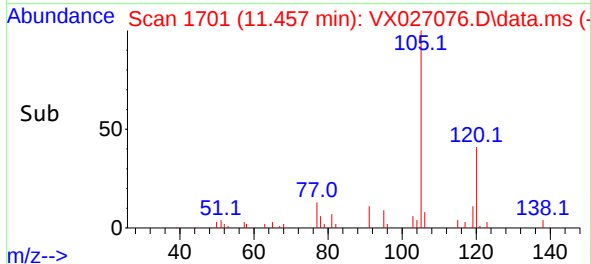
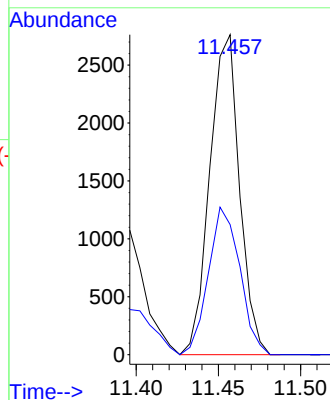
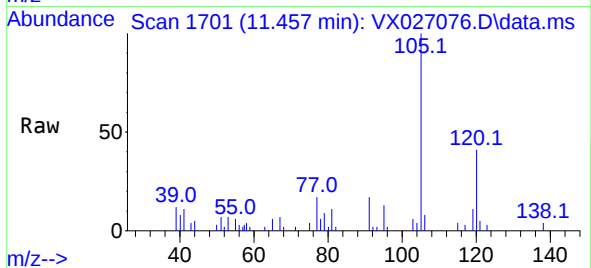




#80
1,3,5-Trimethylbenzene
Concen: 0.750 ug/l
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX027076.D
Acq: 17 Feb 2022 14:36

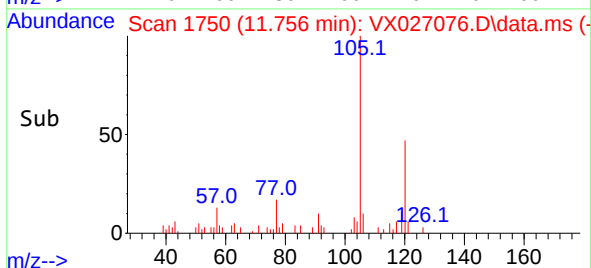
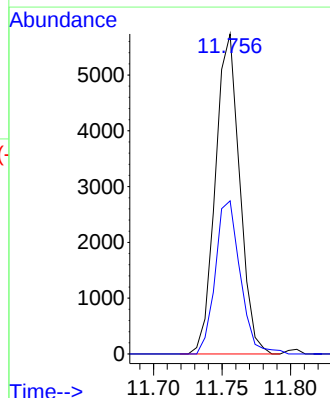
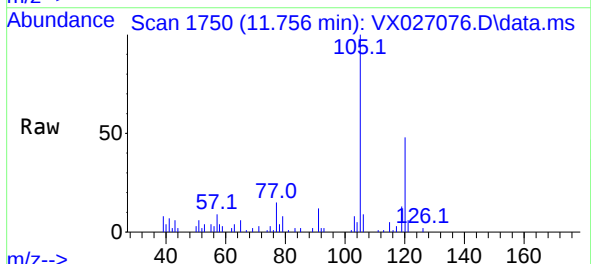
Instrument :
MSVOA_X
ClientSampleId :
220216018-02-VOA

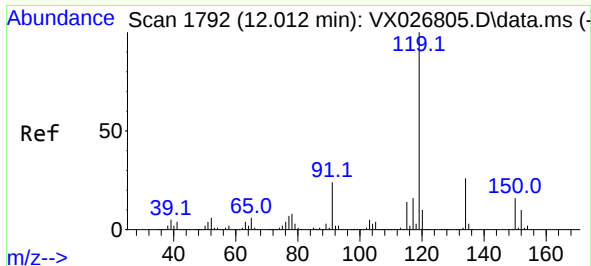
Tgt Ion:105 Resp: 3483
Ion Ratio Lower Upper
105 100
120 48.7 24.0 72.0



#84
1,2,4-Trimethylbenzene
Concen: 1.507 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX027076.D
Acq: 17 Feb 2022 14:36

Tgt Ion:105 Resp: 7058
Ion Ratio Lower Upper
105 100
120 49.2 21.9 65.5

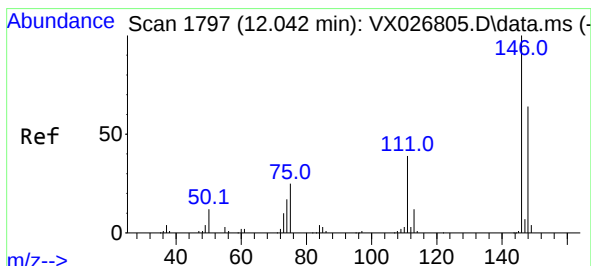
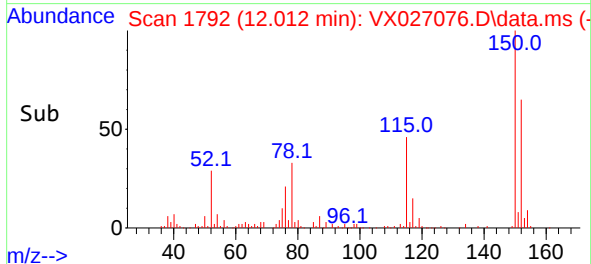
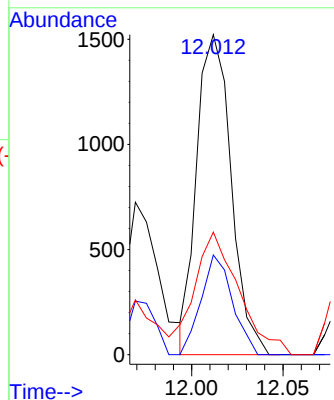
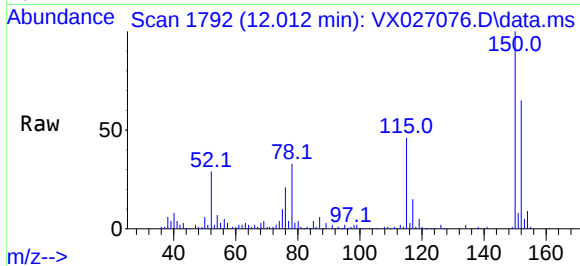




#86
p-Isopropyltoluene
Concen: 0.420 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VX027076.D
Acq: 17 Feb 2022 14:36

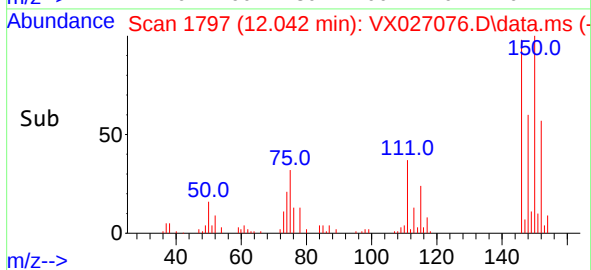
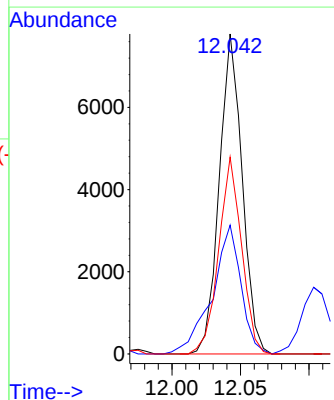
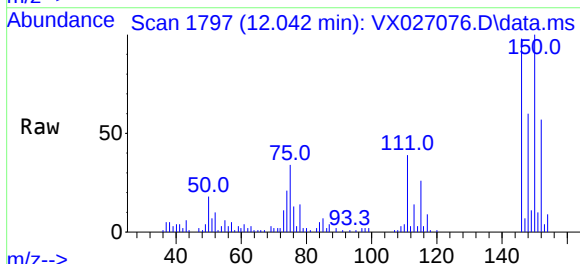
Instrument :
MSVOA_X
ClientSampleId :
220216018-02-VOA

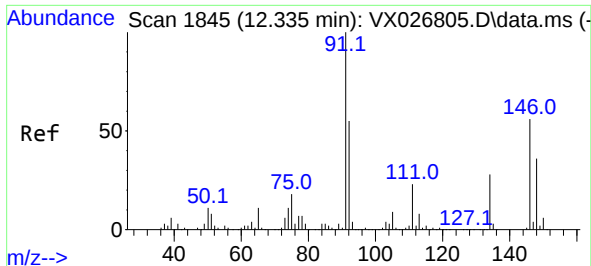
Tgt Ion:119 Resp: 1996
Ion Ratio Lower Upper
119 100
134 28.4 13.0 39.0
91 49.5 12.6 37.6#



#88
1,4-Dichlorobenzene
Concen: 3.646 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX027076.D
Acq: 17 Feb 2022 14:36

Tgt Ion:146 Resp: 9033
Ion Ratio Lower Upper
146 100
111 50.8 20.2 60.6
148 61.7 31.4 94.0

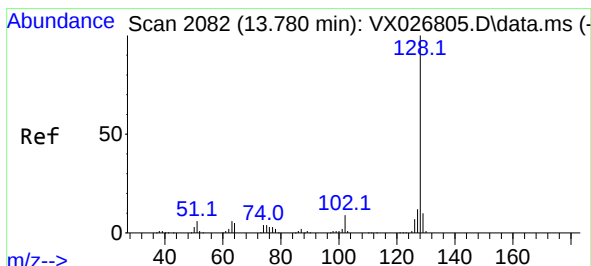
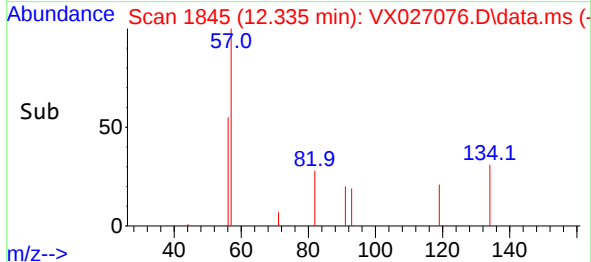
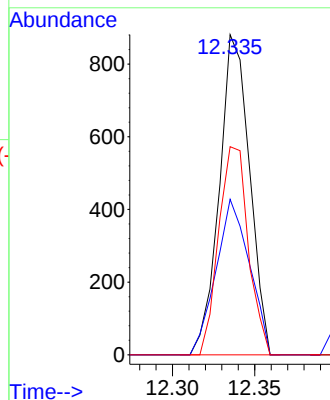
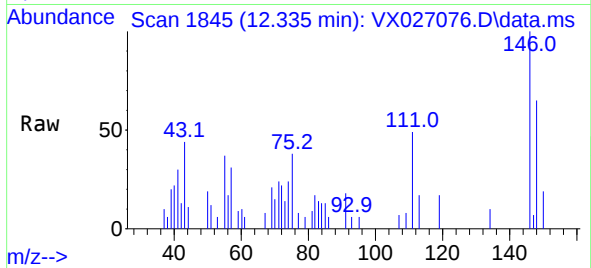




#91
1,2-Dichlorobenzene
Concen: 0.475 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX027076.D
Acq: 17 Feb 2022 14:36

Instrument :
MSVOA_X
ClientSampleId :
220216018-02-VOA

Tgt Ion:146 Resp: 1127
Ion Ratio Lower Upper
146 100
111 53.8 21.8 65.3
148 63.7 32.0 96.2



#95
Naphthalene
Concen: 7.502 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX027076.D
Acq: 17 Feb 2022 14:36

Tgt Ion:128 Resp: 39307
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 11.0 8.7 13.1

